

PCT

JUN 24 2005

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

PATENT & TRADE MARK DEPT.

Applicant's or agent's file reference 090931358988	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below	
International application No. PCT/CA2005/000247	International filing date (<i>day/month/year</i>) 22 February 2005 (22-02-2005)	(Earliest)Priority date (<i>day/month/year</i>) 23 February 2004 (23-02-2004)
Applicant FRASER, PAUL		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 7 sheets.

[X] It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the language, the international search was carried out on the basis of:

[X] the international application in the language in which it was filed
 a translation of the international application into _____, which is the language
 of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b))

b. [X] With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I

2. [X] Certain claims were found unsearchable (see Box No. II)

3. [] Unity of invention is lacking (see Box No. III)

4. With regard to the title,

[X] the text is approved as submitted by the applicant

[] the text has been established by this Authority to read as follows :

5. With regard to the abstract,

[X] the text is approved as submitted by the applicant

[] the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant
 may, within one month from the date of mailing of this international search report, submit comments to this Authority

6. With regard to the drawings,

a. the figure of the drawings to be published with the abstract is Figure No.

6

[] as suggested by the applicant

[X] as selected by this Authority, because the applicant failed to suggest a figure

[] as selected by this Authority, because this figure better characterizes the invention

b. [] none of the figures is to be published with the abstract

Box No. I Nucleotide and/or amino acid sequence(s) (Continuation of item 1.b of the first sheet)

1. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, the international search was carried out on the basis of:
 - a. type of material
 - [X] a sequence listing
 - [] table(s) related to the sequence listing
 - b. format of material
 - [X] on paper
 - [X] in electronic form
 - c. time of filing/furnishing
 - [X] contained in the international application as filed.
 - [X] filed together with the international application in electronic form
 - [] furnished subsequently to this Authority for the purposes of search.
2. [] In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
3. Additional comments :

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of the first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons :

1. Claim Nos. : 32 - 39 and 47 - 56

because they relate to subject matter not required to be searched by this Authority, namely :

The aforementioned claims are considered to be directed to methods of medical treatment, which the International Search Authority is not required to search under PCT Article 17(2)(a)(I) and PCT Rule 39.1(iv).

2. Claim Nos. :

because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically :

3. Claim Nos. :

because they are dependant claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows :

1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying additional fees, this Authority did not invite payment of additional fees.
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claim Nos. :
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claim Nos. :

Remark on Protest The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.

The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.

No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/CA2005/000247

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7): A61K 38/08, A61K 38/06, A61K 38/07, A61K 47/42, A61K 51/08, A61K 35/12, C12Q 1/02, A61P 25/28, A61P 3/10

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC(7): A61K 38/08, A61K 38/06, A61K 38/07, A61K 47/42, A61K 51/08, A61K 35/12, C12Q 1/02, A61P 25/28, A61P 3/10

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic database(s) consulted during the international search (name of database(s) and, where practicable, search terms used)

Canadian Patent Database, USPTO, Delphion, PUBMED, NCBI

key words: antifibrillrogenic, islet amyloid polypeptide, peptidomimetic, Alzheimer's disease, small peptide bioavailability,

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02/24727 A2 (FRAZER, A.) March 28, 2002. see whole document	1 - 7, 32 - 45, 47 - 56
Y		1 - 61
Y	US 6359112 B2 (KAPURNIOTU, A. et al.) March 19, 2002. see whole document	1 - 56
Y	SIGURDSSON, E. M. et al. In Vivo Reversal of Amyloid-β Lesions in Rat Brain. J. Neuropath. Exp. Neurology. January, 2000, Vol. 59, No. 1, pages 11 - 17. see whole document.	57 - 61
A	EP 0289287 B1 (COOPER, G. J. S. et al.) January 28, 1998.	1 - 61
A	US 6562836 B1 (SZAREK, W. A. et al.) May 13, 2003.	1 - 61
A	KELLY, J. W. The Environmental Dependency of Protein Folding Best Explains Prion and Amyloid Diseases. Proc Natl. Acad. Sci. USA. February, 1998, Vol. 95, pages 930 - 932.	1 - 61
A	US 6610824 B2 (GAETA, L. et al.) August 26, 2003.	1 - 61
A	US 5686411 (GAETA, L. et al.) November 11, 1997.	1 - 61

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents :	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent but published on or after the international filing date	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&"	document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means		
"P" document published prior to the international filing date but later than the priority date claimed		

Date of the actual completion of the international search

21 June 2005 (21-06-2005)

Date of mailing of the international search report

22 June 2005 (22-06-2005)

Name and mailing address of the ISA/CA
 Canadian Intellectual Property Office
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 Gatineau, Quebec K1A 0C9
 Facsimile No.: 001(819)953-2476

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 Steven Kolodziejczyk (819) 997-3239

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	GHANTA, J. et al. A Strategy for Designing Inhibitors of β -Amyloid Toxicity. J. Biol. Chem. November 22, 1996, Vol. 271, No. 47, pages 29525 - 29528.	1 - 61
A	AITKEN, J. et al. Suppression by Polycyclic Compounds of the Conversion of Human Amylin into Insoluble Amyloid. Biochem. J. June 18, 2003, Vol. 374, pages 779 - 784.	1 - 61

INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.
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Patent Document Cited in Search Report	Publication Date	Patent Family Member(s)	Publication Date
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International application No.
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